

AMENDMENTS TO THE CLAIMS:

The following listing of claims will replace all prior versions of claims in the application.

1. (Currently Amended) A method for identifying a fungicide comprising:

~~assaying a candidate compound in a 20S proteasome inhibition assay and
determining whether said candidate compound is a fungicide based upon said assay~~

(a) contacting a candidate compound with 20S proteasomes in the presence of a
substrate of the 20S proteasomes and in the presence of from 2 to 10% (v/v)
dimethyl sulphoxide,

(b) selecting those candidate compounds which specifically inhibit an enzymatic
conversion of the substrate by the 20S proteasomes, and

(c) testing for the fungicidal action of those candidate compounds on fungi in an
in vivo assay.
 2. (Original) The method according to Claim 1, wherein 20S proteasomes
from fungi are used in said assay.
- Claims 3-11. Canceled.
12. (New) The method according to Claim 1 or 2 wherein said method is a
high throughput screening assay.